

TECHNICAL SERVICES DIVISION

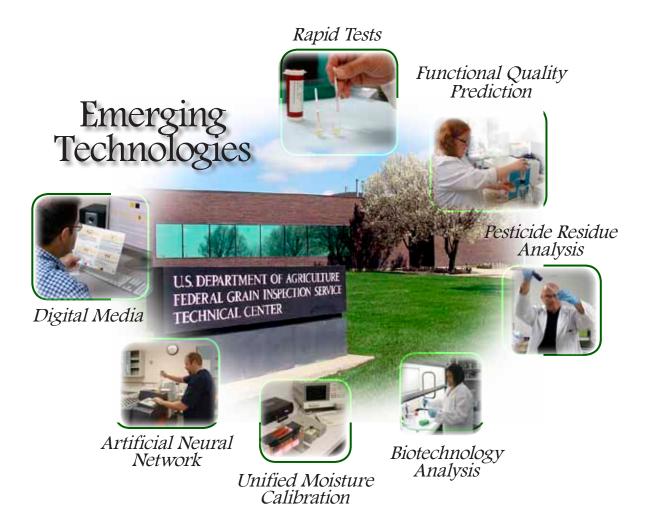
The Technical Services Division is recognized globally for expertise in grain inspection technologies.



We are the reference for all methods used for official certification of grain quality.



METHODS DEVELOPMENT



Rapid Test Performance Evaluation Programs --

We maintain and improve reference methods and evaluate rapid tests for detecting mycotoxins and biotechnology-derived grains.

Functional Quality Assessment -

TSD is actively working on standardizing existing reference methods and on the development of new, more rapid methods to assess the end-use quality of U.S. Wheat.

Pesticide Residue Method Development and Testing -

TSD develops new multi-residue methods, provides official testing services, and export survey programs for pesticide residues in U.S. grain.

Biotechnology □-

We play a critical role in improving the reliability of testing for biotechnology-derived grains and oilseeds on a global basis through the USDA/GIPSA Proficiency Program and related activities.

Moisture Measurement Methods Development 🗅

TSD has developed a Unified Moisture Algorithm, a single calibration that may be used for all grain types.

Artificial Neural Network Calibration —

GIPSA worked cooperatively with groups from Canada, Australia, and several European countries in the development and evaluation of a global artificial neural network (ANN) near-infrared transmittance (NIRT) calibration.

Educational Services -

The grain industry relies on TSD to provide specialized instruction for their customers and employees. The Digital Media Group creates and disseminates visual reference materials, and interactive training modules in several languages on a variety of inspection topics.

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